

[066] A multi-mode modem comprises a first device configured to communicate with a first communication system, a second device configured to communicate with a second communication system, a processor communicatively coupled the first and second devices, and a control function configured to place the device in one of the following communication modes: 1) communication with the first communication system; 2) communication with the second communication system; 3) simultaneous communication with both the first and second communication systems; or 4) gateway communication between the first and second communication systems.